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A. J. WOOD

BARREL ATTACHING DEVICE FOR GREASE GUNS OR THE LIKE

Filed Jan. 28, 1921

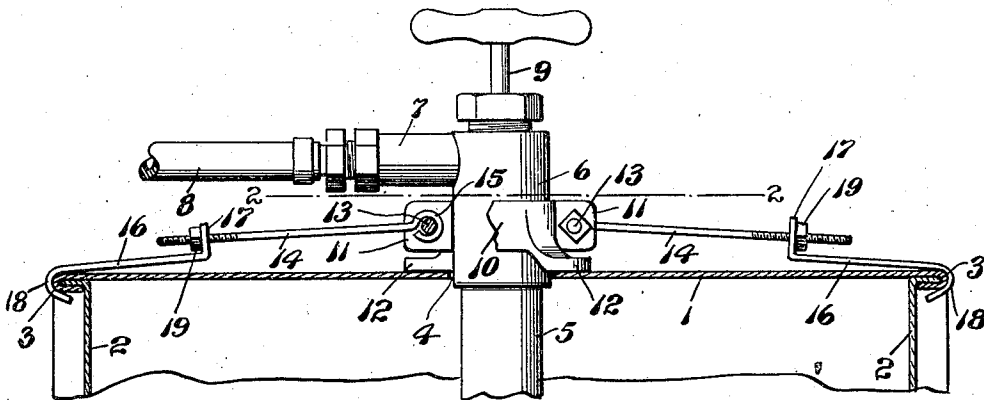


FIG. 1.

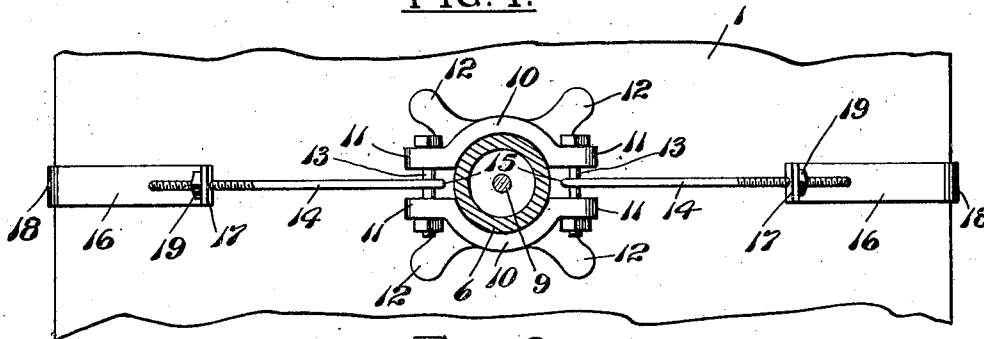


FIG. 2.

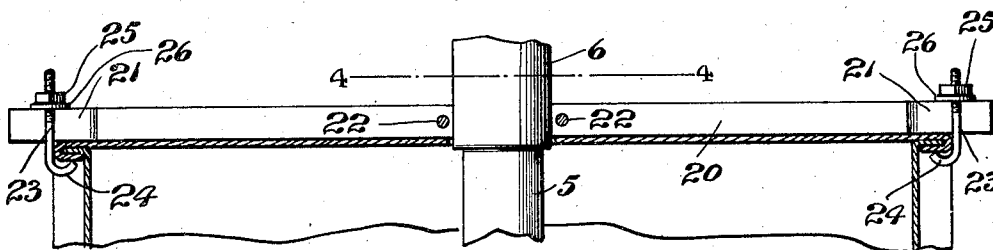


FIG. 3.

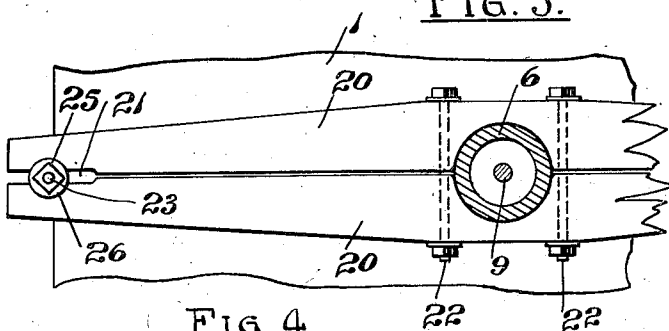


FIG. 4.

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BARREL-ATTACHING DEVICE FOR GREASE GUNS OR THE LIKE.

Application filed January 28, 1921. Serial No. 440,622.

To all whom it may concern:

Be it known that I, A. J. Wood, a citizen of the United States of America, residing at Greenville, in the county of Montcalm and State of Michigan, have invented certain new and useful Improvements in Barrel-Attaching Devices for Grease Guns or the like; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a barrel attaching device by means of which a barrel grease dispensing apparatus may be securely yet detachably connected to the barrel which contains the grease and from which the grease is to be dispensed. The grease dispensing apparatus or grease gun, as it is commonly called may be of any preferred construction, the apparatus of the present invention being connected thereto and disposed between it and the barrel to which it is attached. It is a primary object and purpose of the invention to provide a device of this character which may be readily applied to the grease gun and as readily attached to the barrel or similar container of grease, which is economical to make, and fully capable of securing the grease gun in proper position relative to the grease containing receptacle. Various other objects and purposes, than those stated, will appear fully and in detail as an understanding of the invention is had from the following description, taken in connection with the accompanying drawing, in which,

Fig. 1 is a partial sectional view and side elevation, showing my invention used in attaching a grease gun to a barrel, the upper portion of the barrel and grease gun only being shown.

Fig. 2 is a partial section and plan, the section being on the plane of line 2-2, of Fig. 1.

Fig. 3 is a view, similar to Fig. 1 of a modified form of construction, and

Fig. 4 is a fragmentary partial section and plan, the section being on the plane of line 4-4, of Fig. 3.

Like reference characters refer to like parts in the different figures of the drawing.

The barrel adapted to contain the grease has sides 1, and ends 2 which are connected with the sides at the ends as shown, whereby

projecting chimes 3 are formed. The barrel shown is of metal, but in any case, the barrel has such projecting chimes at the ends. An opening or bung hole 4 is made in one side of the barrel through which the grease gun is inserted into the grease. The grease gun partially shown is of the type illustrated in my application, Ser. No. 360,864, filed Feb. 24, 1920, including a head 6 attached to the upper end of a tube 5, the head having an outlet stem 7 to which a length of flexible hose 8 is attached, and a pump rod 9 adapted to be reciprocated in the tube or an extension thereto as shown in said application to which reference is made.

Two clamping bars 10 shaped to fit against opposite sides of the head 6 are used, each at each end having a projecting ear 11, and each being formed with two spaced downwardly projecting feet 12 adapted to rest against the upper side of the barrel. Bolts 13 pass through the adjacent ears of the two bars 10 and receive nuts whereby the bars may be clamped tightly against the head. A rod 14 is connected with each bolt 13, preferably being formed with a hook or eye 15 at its end through which the bolts pass. The rods extend toward the ends of the barrel and are connected with bars 16 of flat metal, each at its inner end having an upturned ear 17 and at its outer end a downwardly and inwardly turned hook 18. The rods pass through the ears 17 and are threaded at their outer ends for the reception of nuts 19, while the hooks 18 are hooked under the chimes 3 of the barrel. It is apparent that by turning the nuts 19, hooks 18 may be drawn into secure engagement with the chimes, thereby drawing the feet 12 of bars 10 against the upper side of the barrel and in this manner securing the grease gun in fixed relation to the barrel. The detachment of the grease gun from the barrel is accomplished by merely loosening nuts 19 as is obvious.

In Figs. 3 and 4, two bars 20, each somewhat longer than the barrel are used and one placed at each side of the head 6 of the grease gun, the bars being formed with recesses in which the head seats. The bars are located in parallelism and at each end on their inner sides are cut away so that a slot 21 is left when the two bars are placed together. The bars are clamped to the head 6 by bolts 22 which pass through

the bars one at each side of the head. Short rods 23, one at each end of the barrel pass through the slots 21 and each is formed with a hook 24 at its lower end which may be turned inwardly under the barrel chime. 3. The upper end of each hooked rod 23 is threaded to receive a nut 25 and, preferably, a washer lies against the upper sides of the bars 20 under each nut. The rods are moved to proper position to locate the hooks under the chimes after which the nuts are tightened. To remove the device from the barrel the nuts 25 are loosened and the rods 23 moved outwardly until the hooks are free of the barrel chimes.

With either of these constructions, the secure attachment of the grease pump to the barrel may be attained and in a simple manner. The form shown in Figs. 1 and 2 is preferred, though the other form shown in Figs. 3 and 4 is serviceable and has proved very satisfactory. Various other forms and modifications in construction of the invention may be resorted to without departing from the invention defined in the appended claims and I consider myself entitled to all such constructions that come within the field covered by the claims.

I claim:

1. A device of the character described, comprising two bars adapted to be placed one at each side of the head of a grease gun, means for securing said bars to said head, and hook members operatively connected with said bars to engage one with the chime at each end of a barrel with which the grease gun is associated, substantially as described.

2. A device of the character described, comprising two bars having concaved seats on their inner sides, bolts connecting the

bars together and serving to draw the bars toward each other, a rod connected with each bolt, said rods extending in opposite directions, a member formed with an upturned ear at its inner end and with a downturned hook at its other end associated with each rod, the outer end of each rod being threaded and passing through the ear of its member, and a nut threaded on to the end of each rod, substantially as described.

3. A construction containing the elements in combination defined in claim 2 combined with feet integral with each of said bars and spaced apart, said feet projecting downwardly from the bars so as to engage with a barrel or other container with which said device is associated, substantially as described.

4. A device of the character described, comprising two bars adapted to be placed one at each side of a grease dispensing appliance, means for drawing the bars toward each other to clamp the same against said appliance, hook members adapted to engage with the chimes of a barrel at opposite ends thereof, and means for connecting said hook members with said bars and for drawing the said hook members into tight engagement with said barrel chimes.

5. A device of the character described, comprising two members, each at its outer end being formed with a downwardly and inwardly turned hook and at its inner end with an upturned ear, a rod passing through each ear, a nut threaded on to the outer end of each rod against the ear, a grease dispensing appliance, and means for connecting the inner ends of the rods to said appliance, substantially as described.

In testimony whereof I affix my signature.

A. J. WOOD.